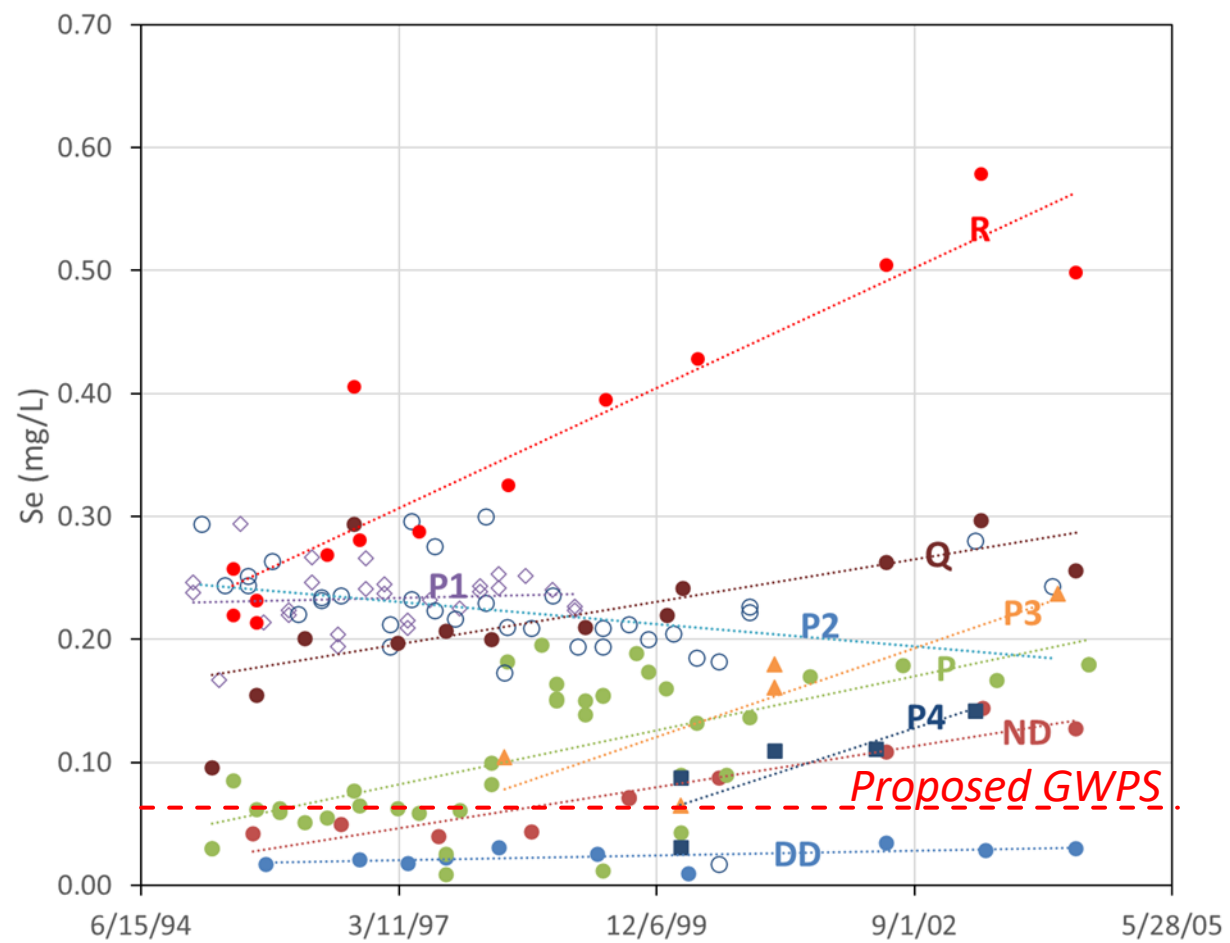
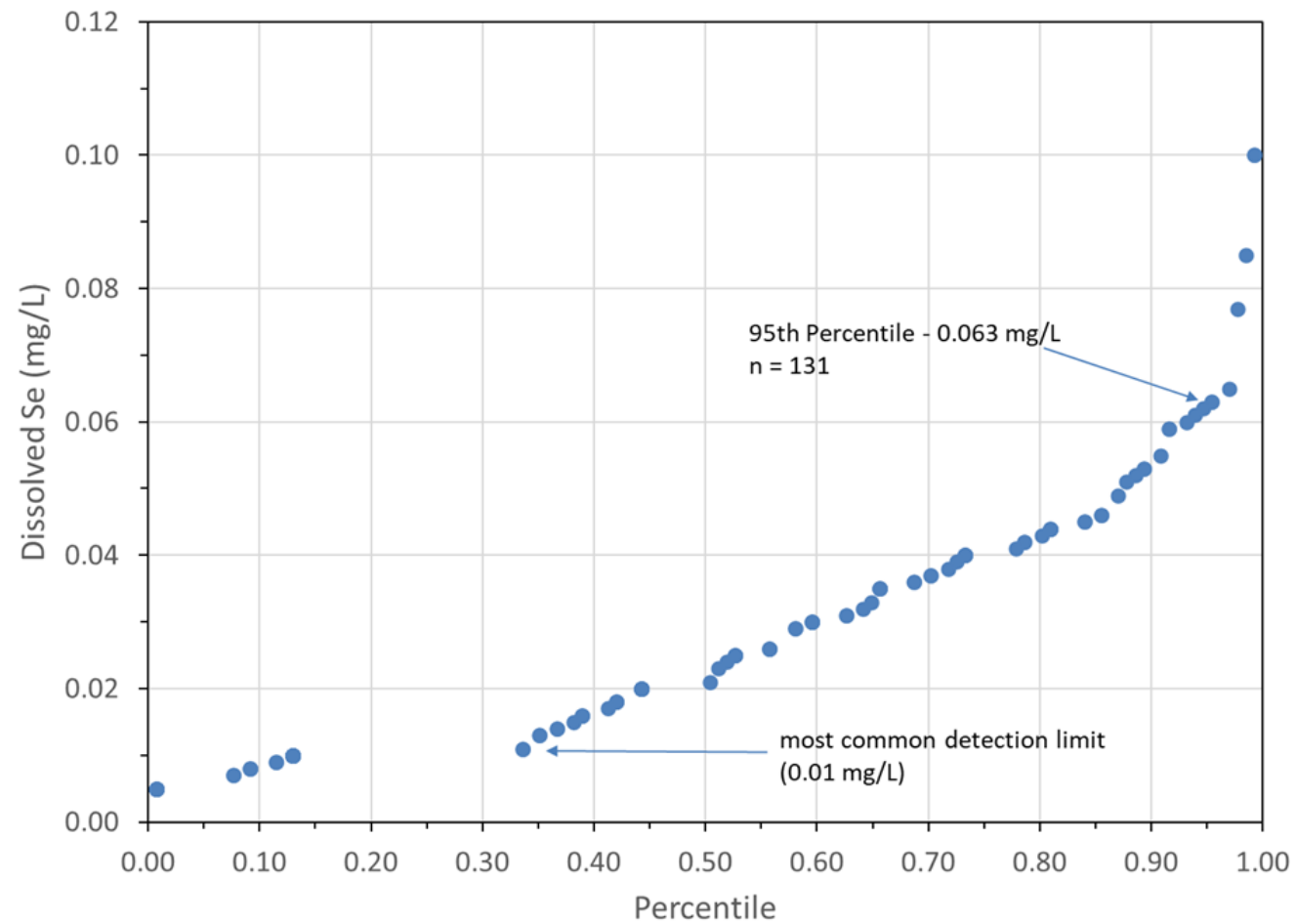
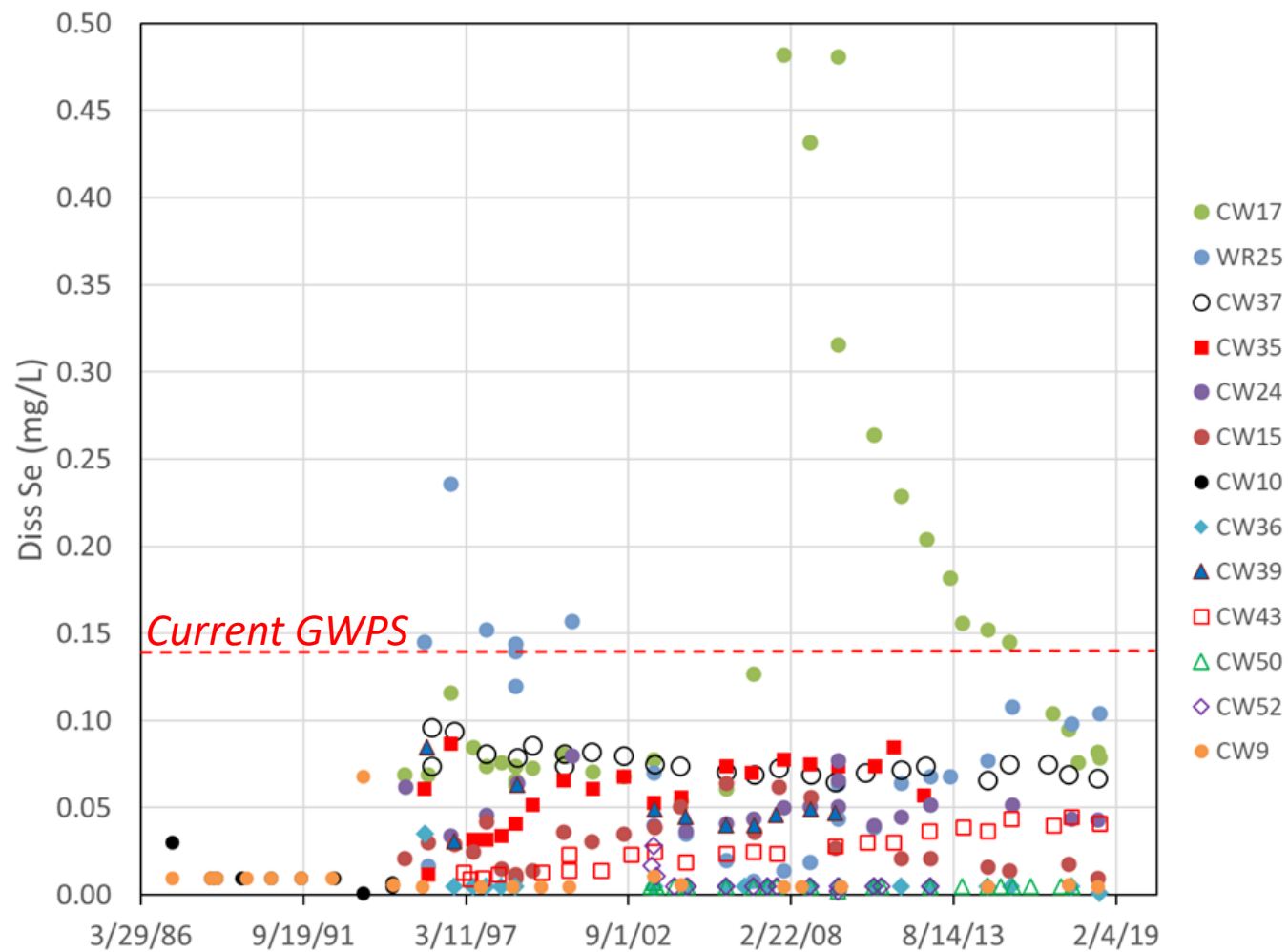


P3 P4 Q ND P

R





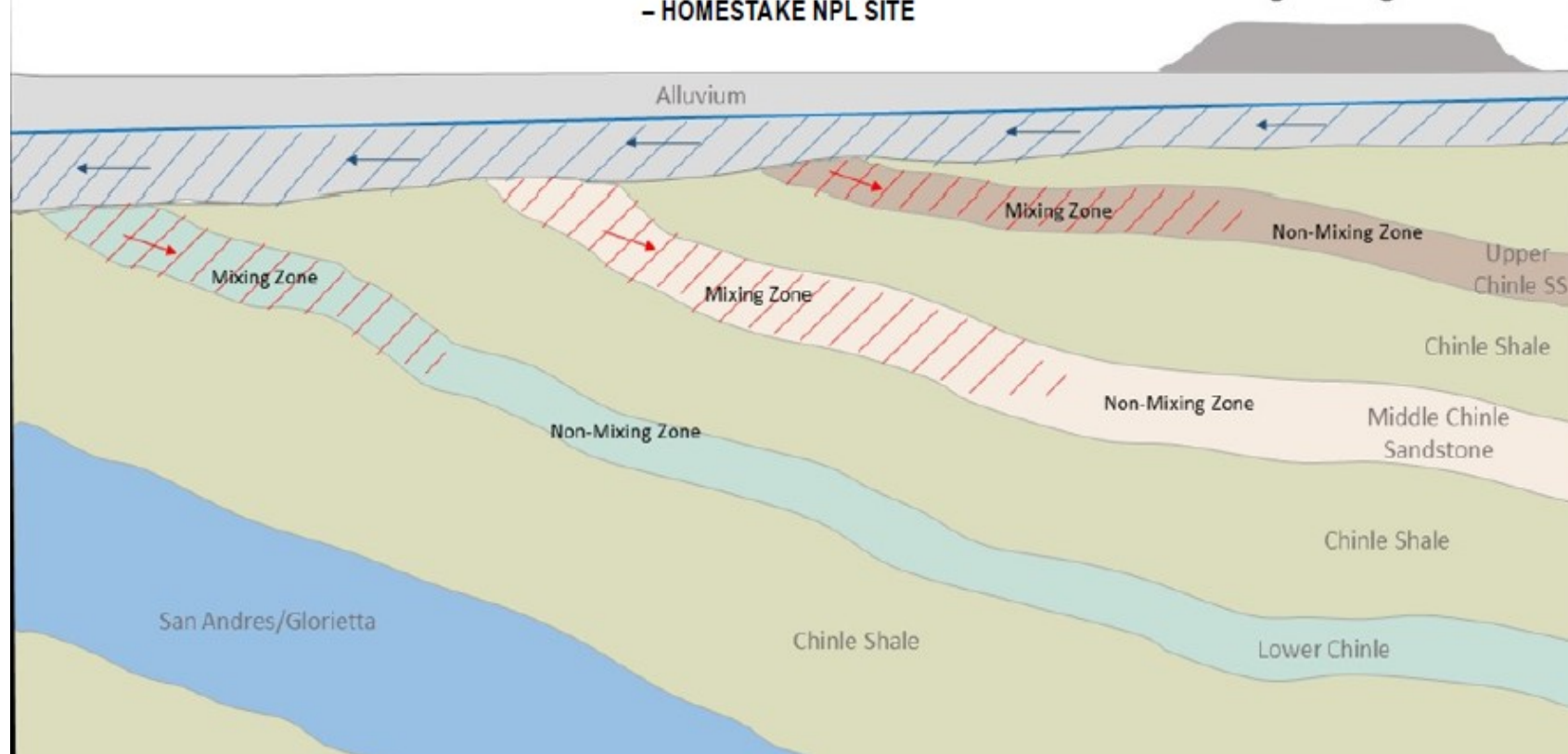


South

CONCEPTUAL CROSS SECTION  
- HOMESTAKE NPL SITE

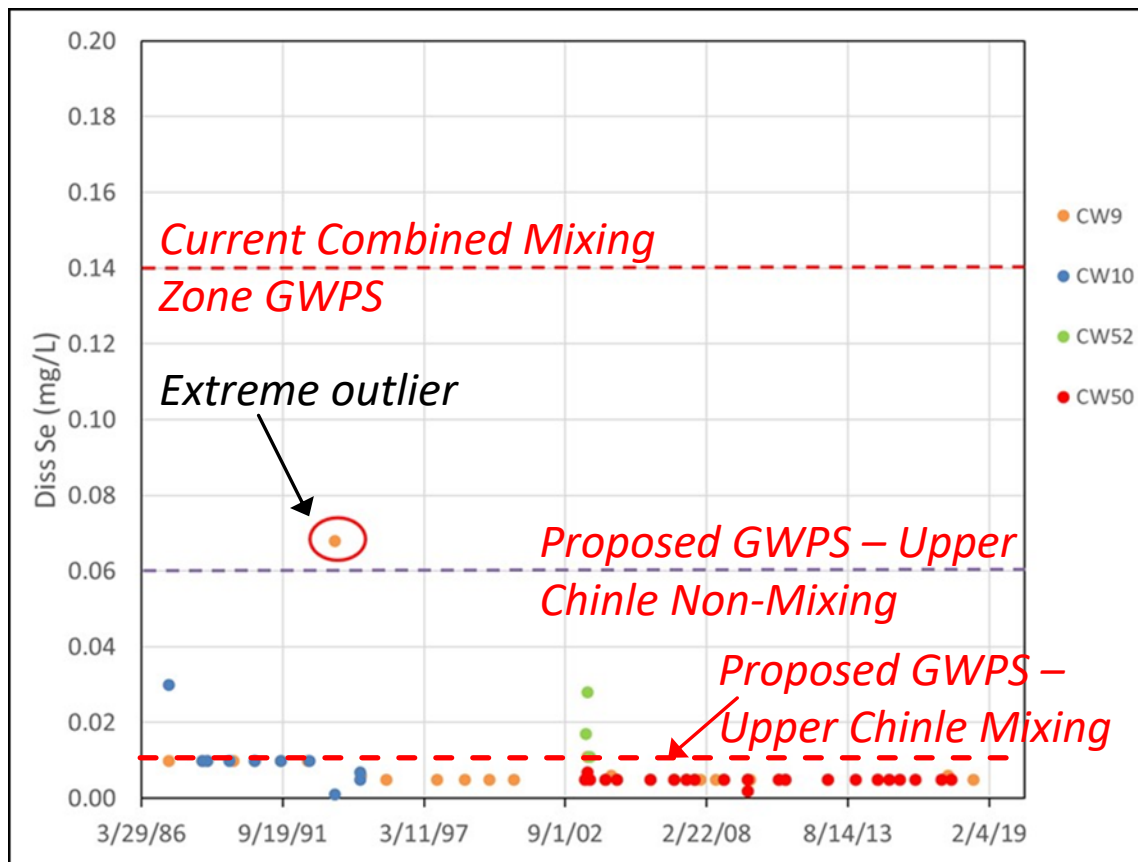
North

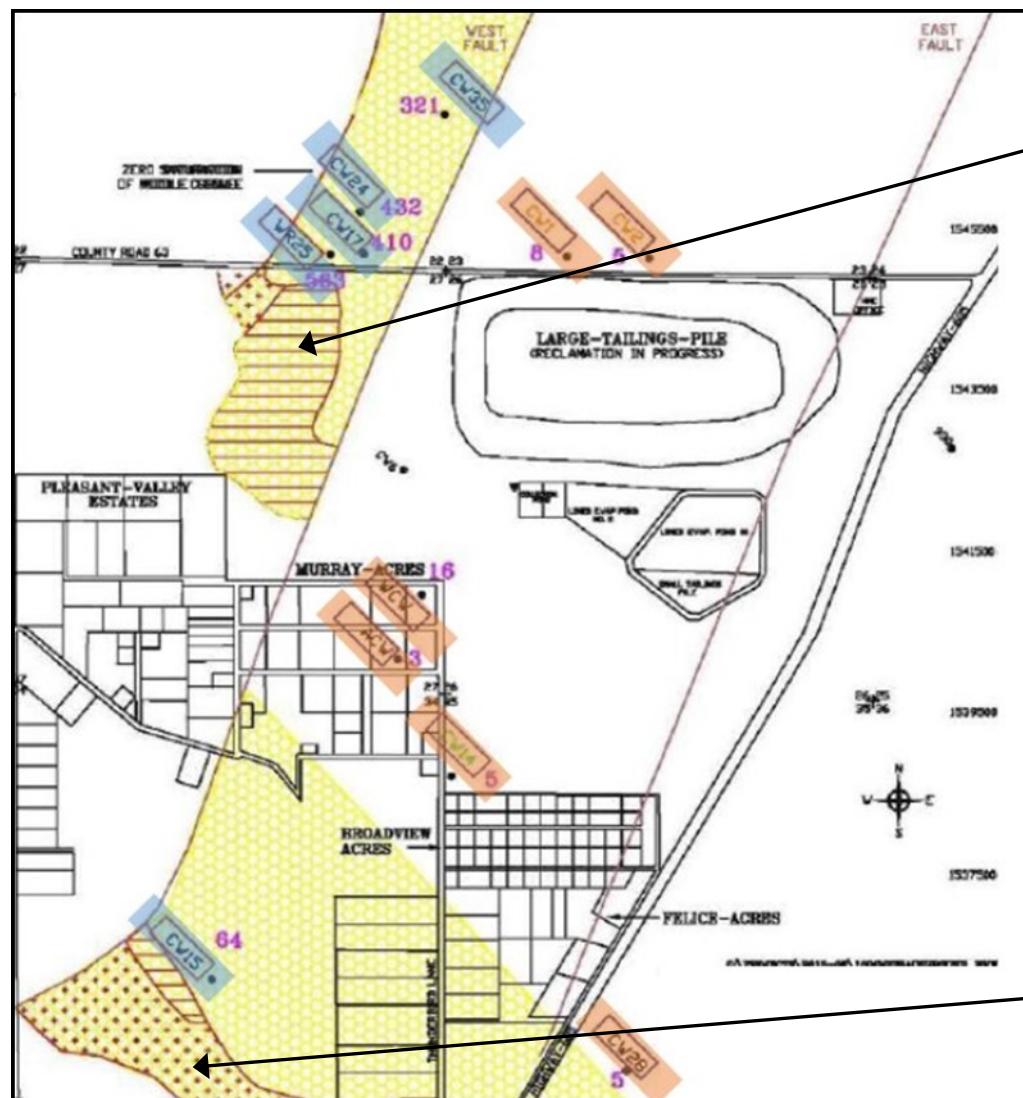
Large Tailing Pile

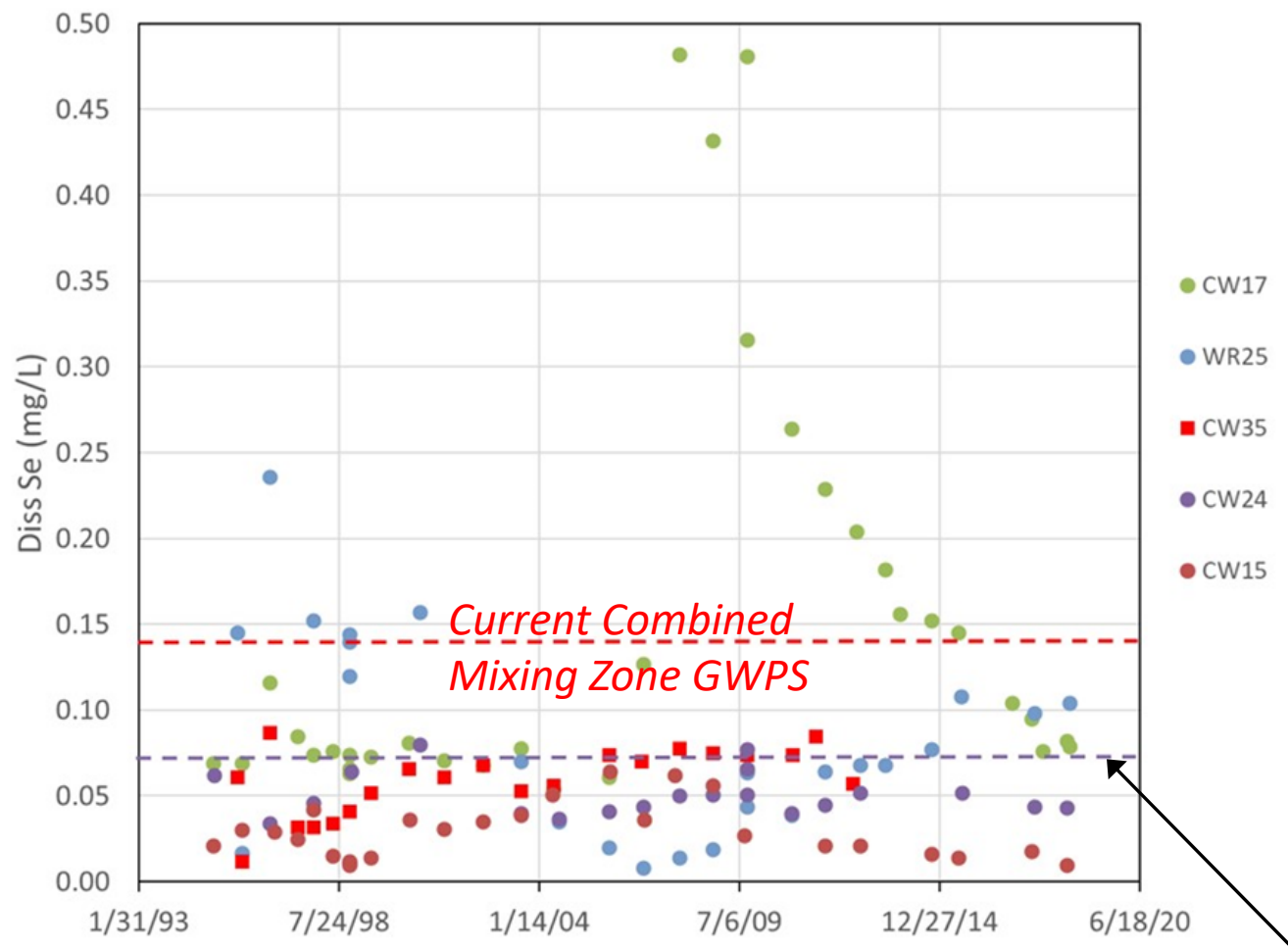


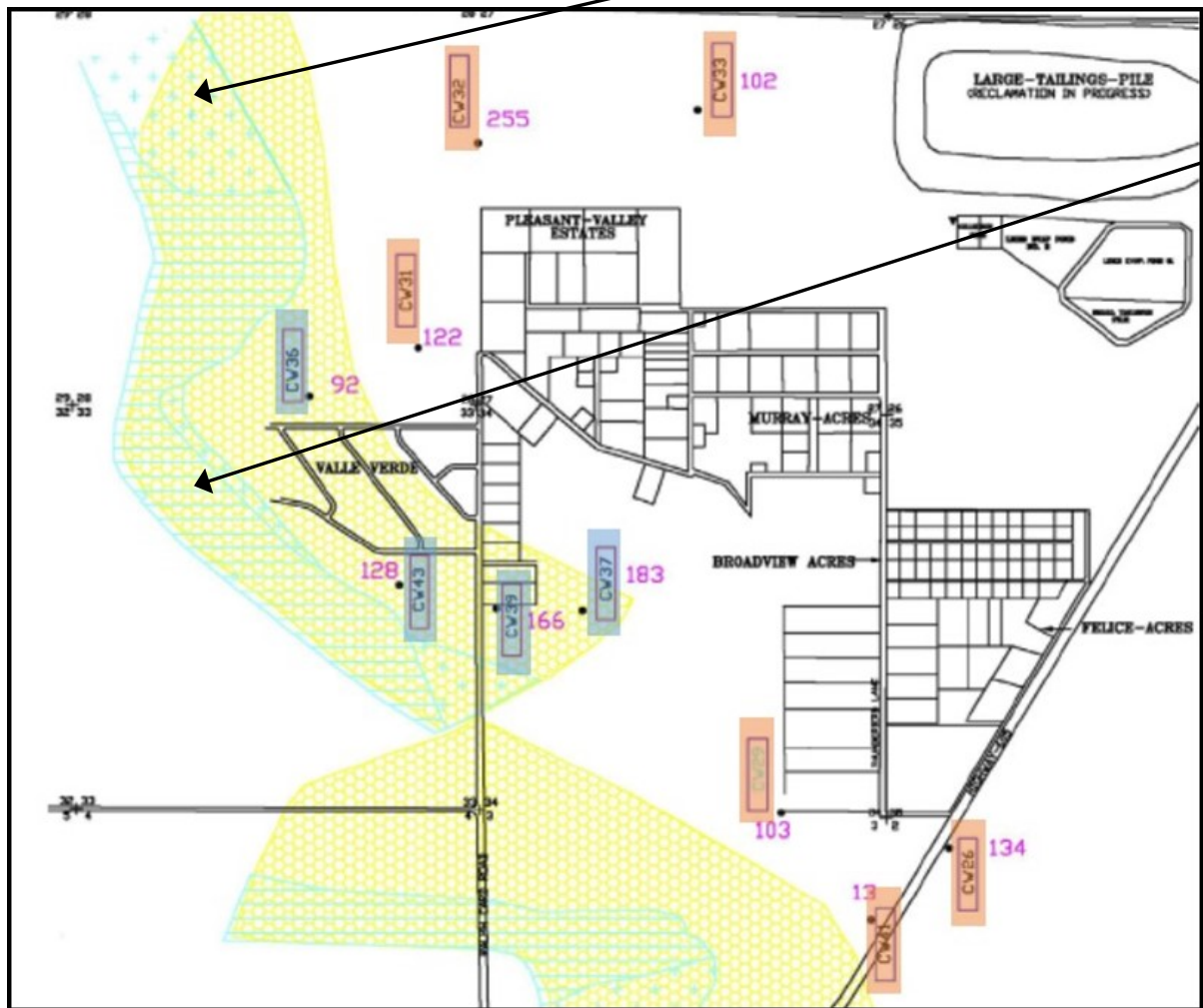


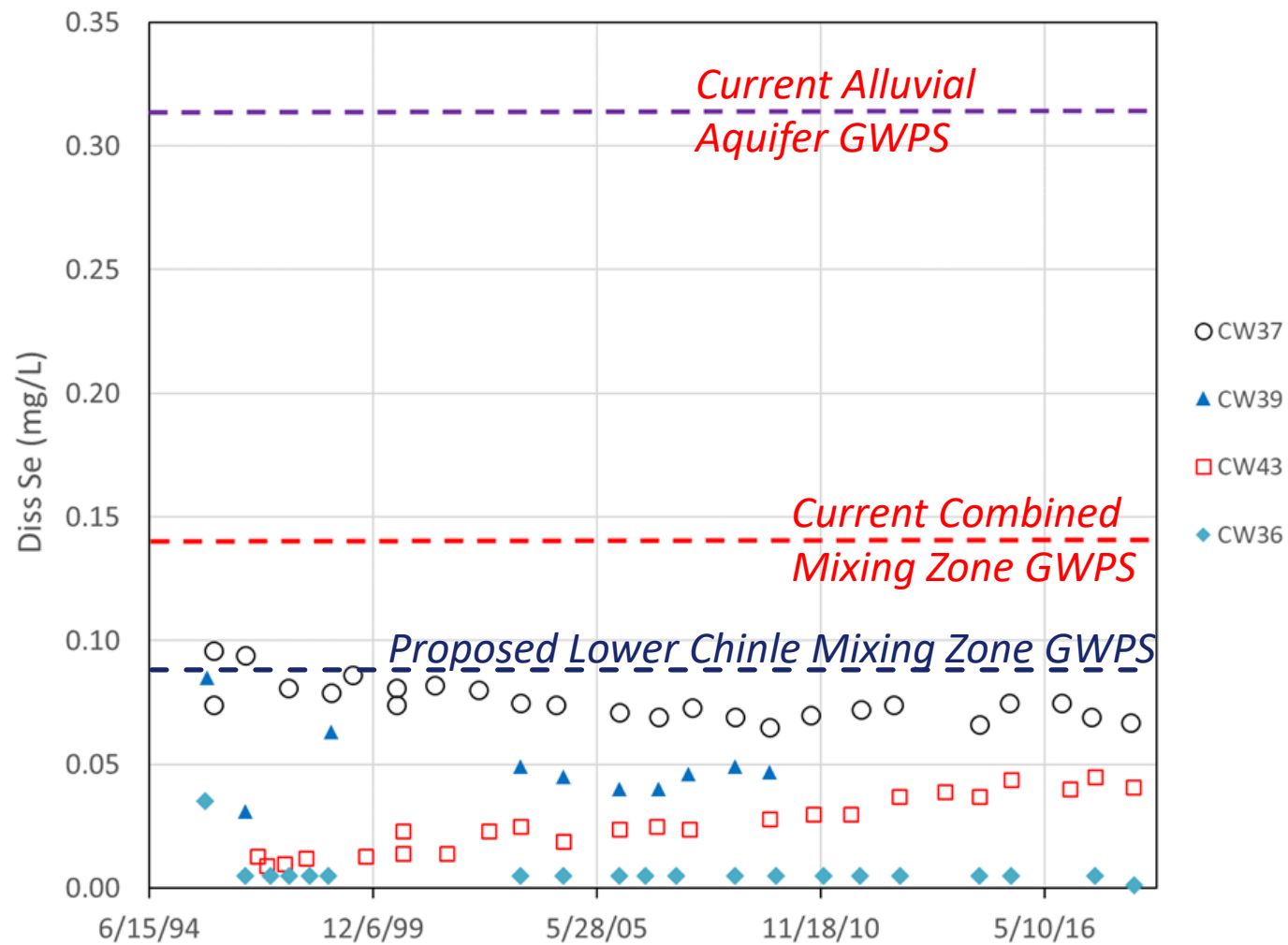


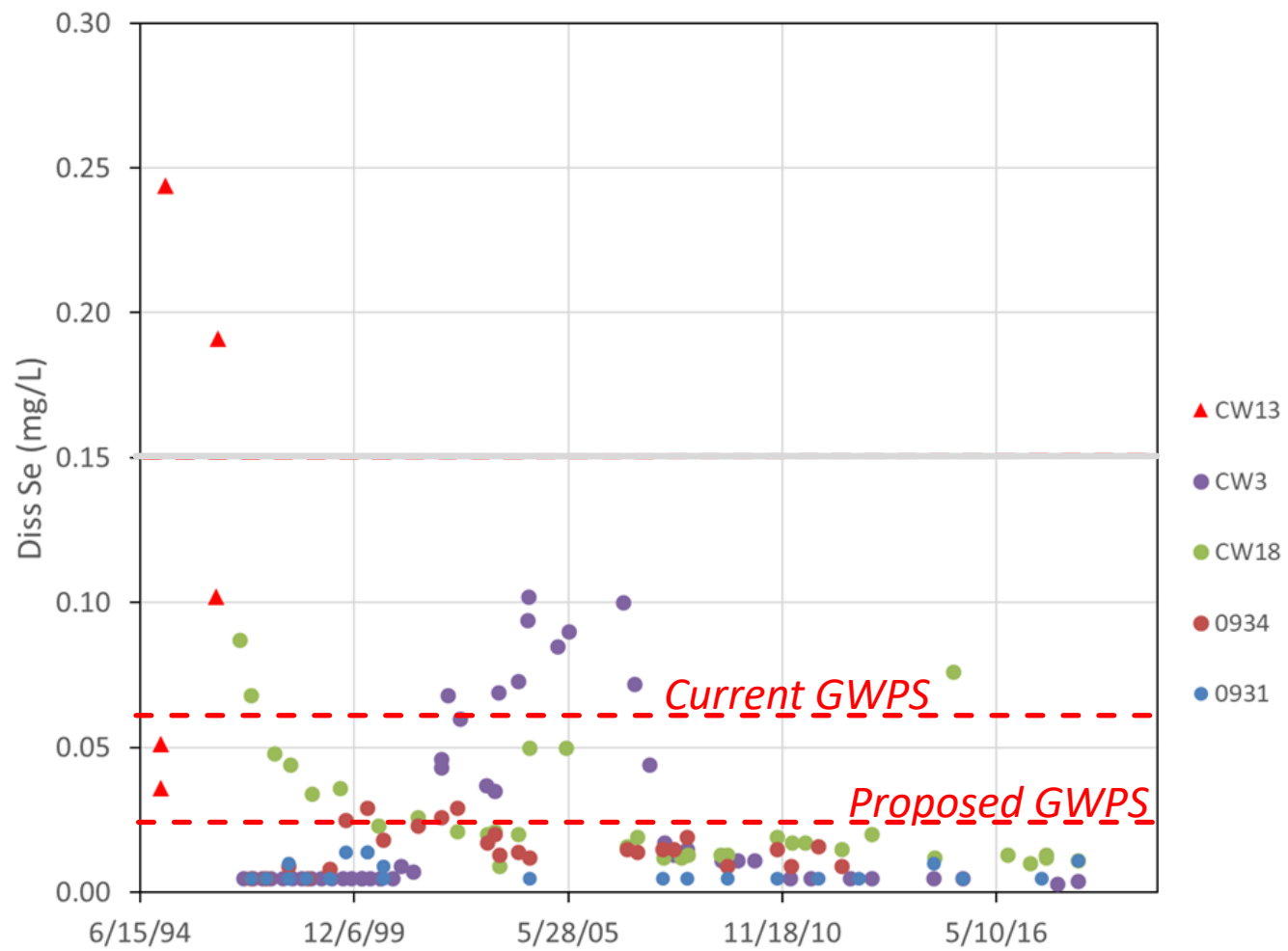




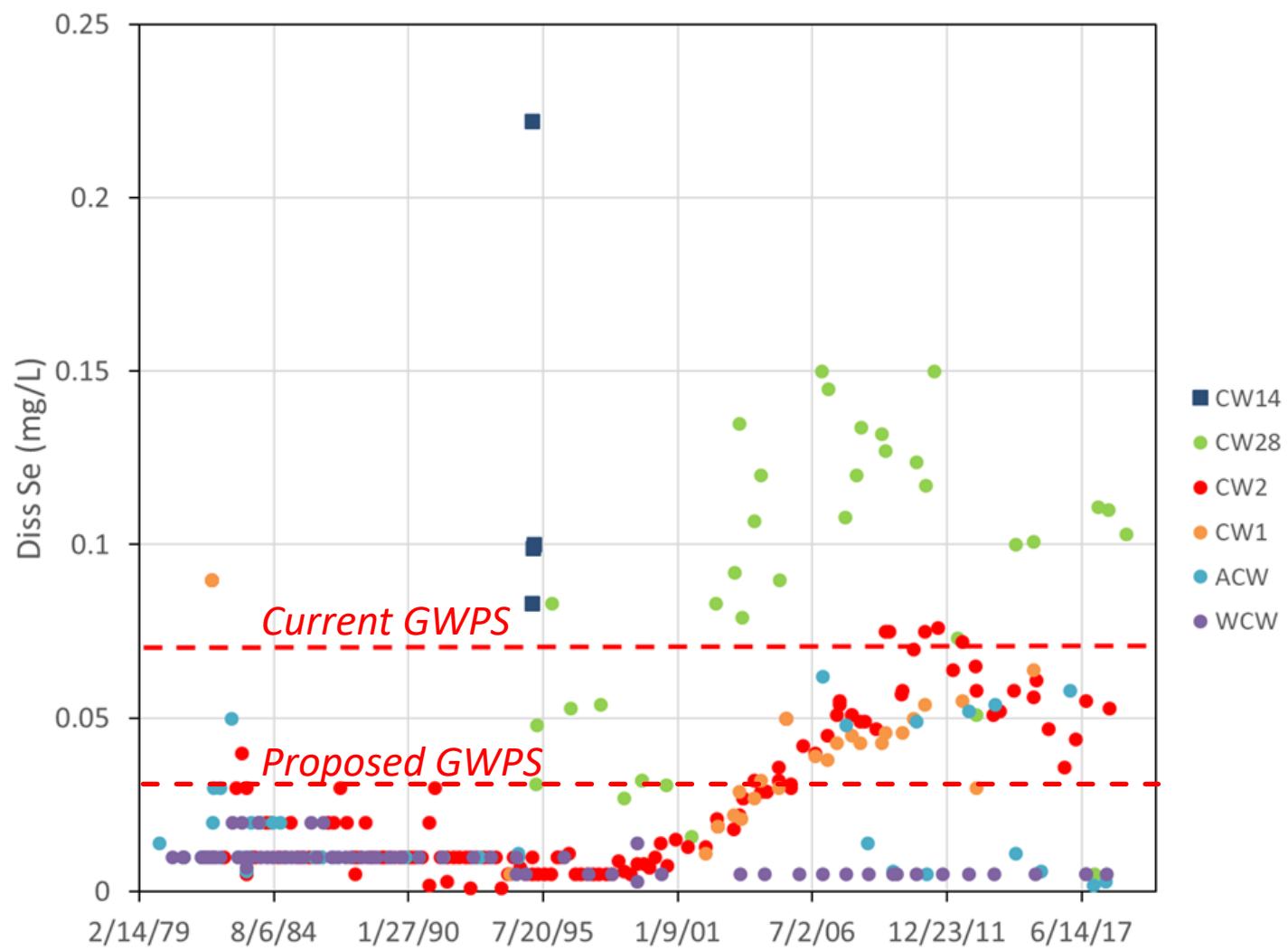


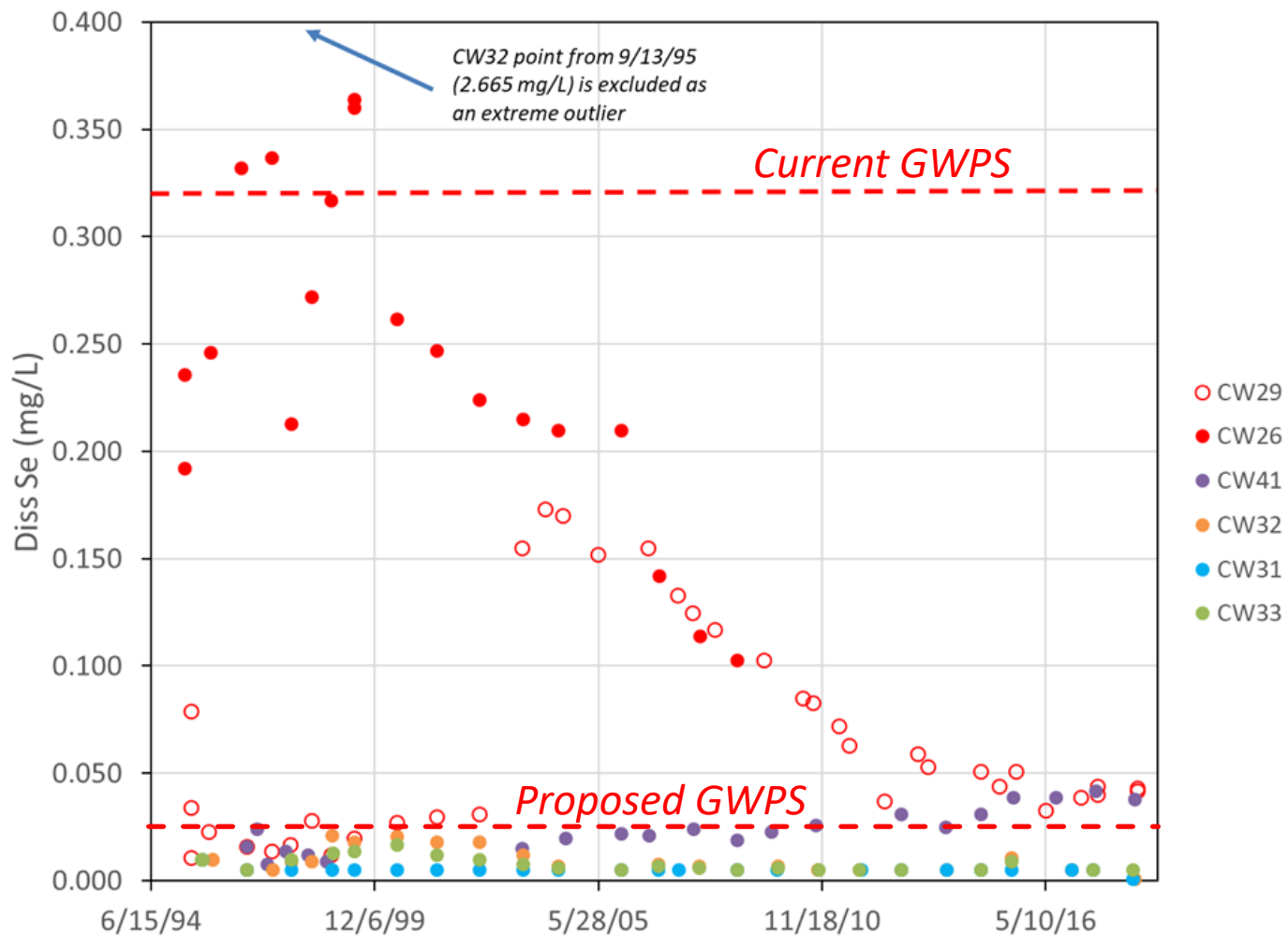




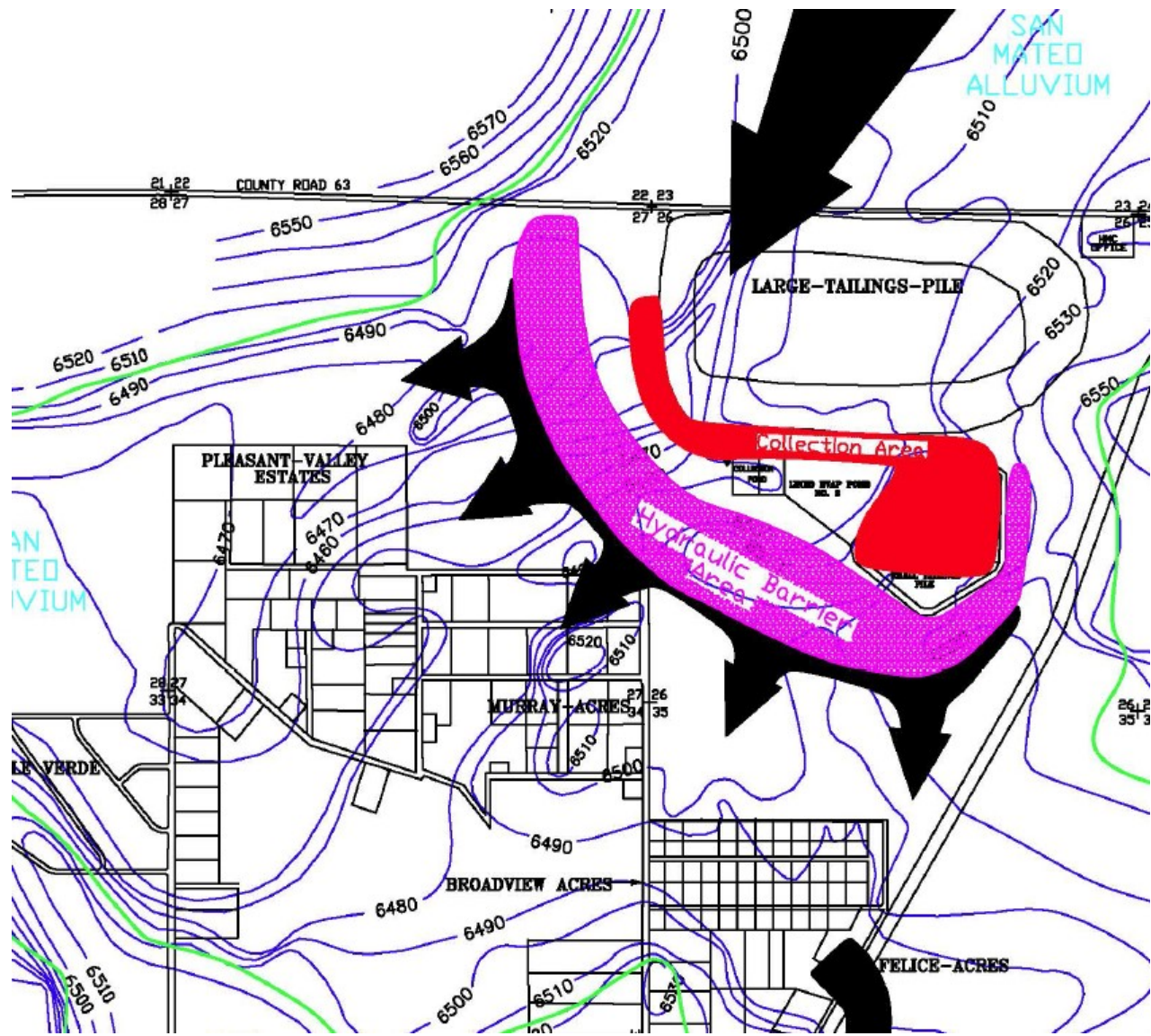





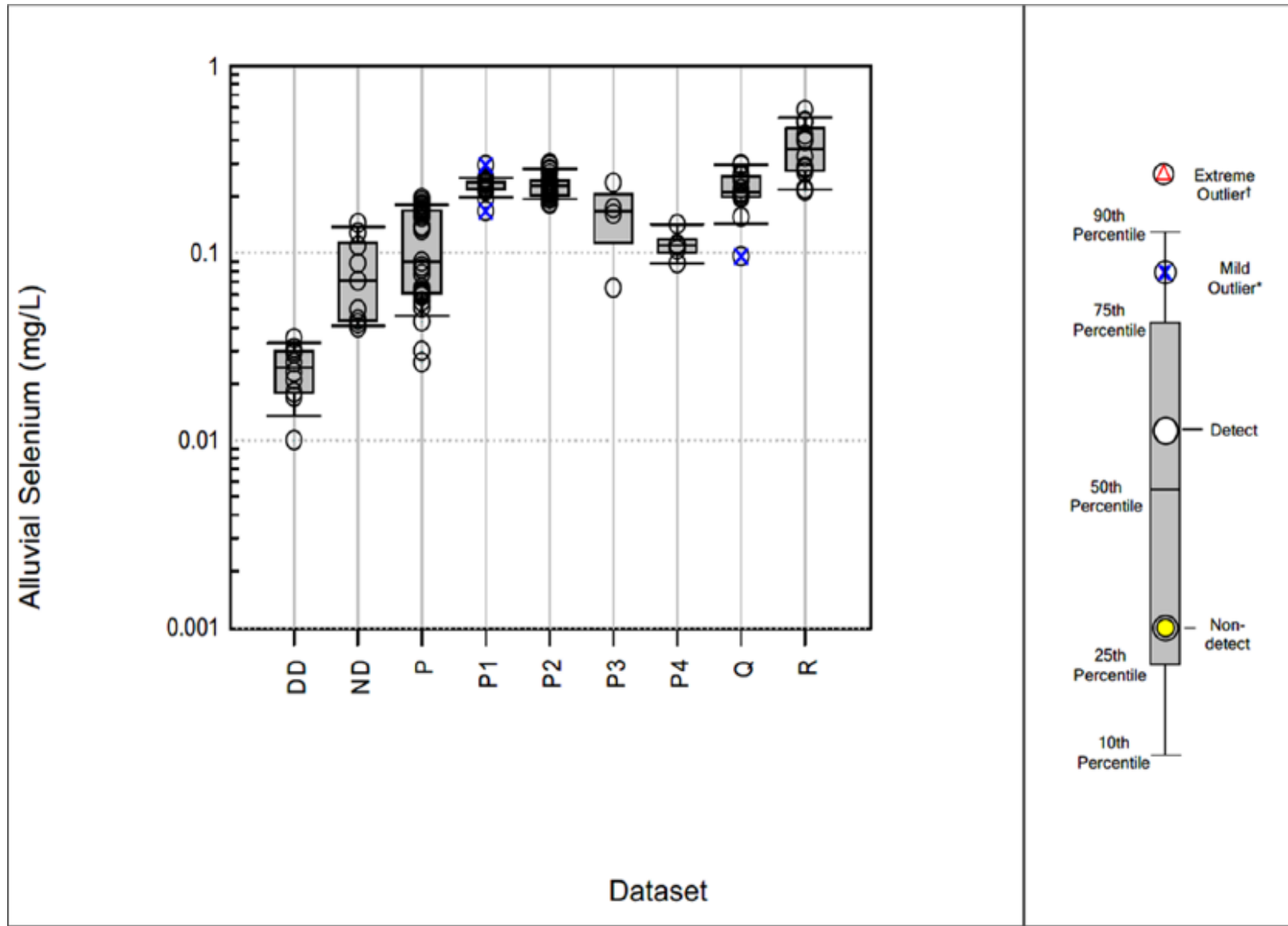


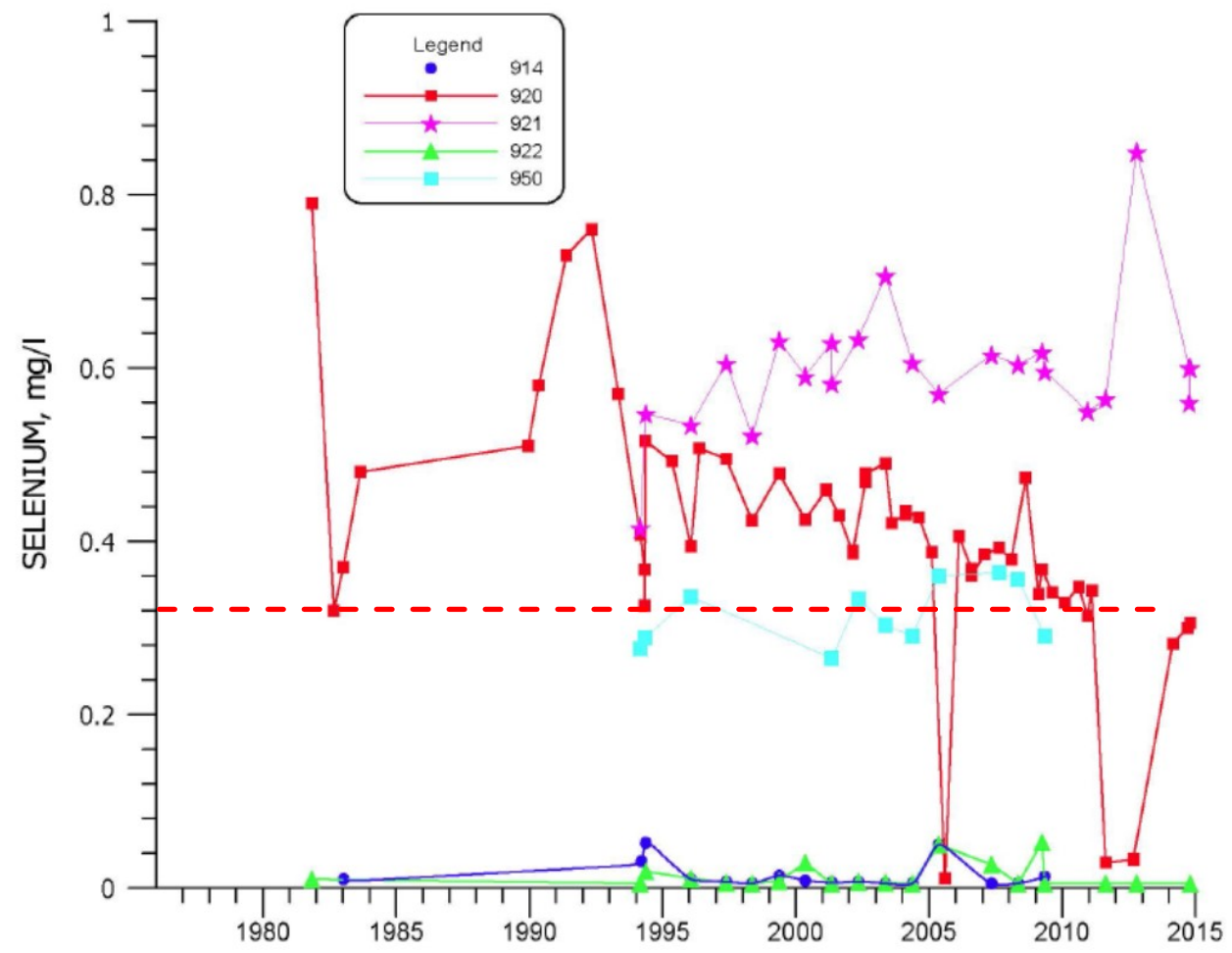
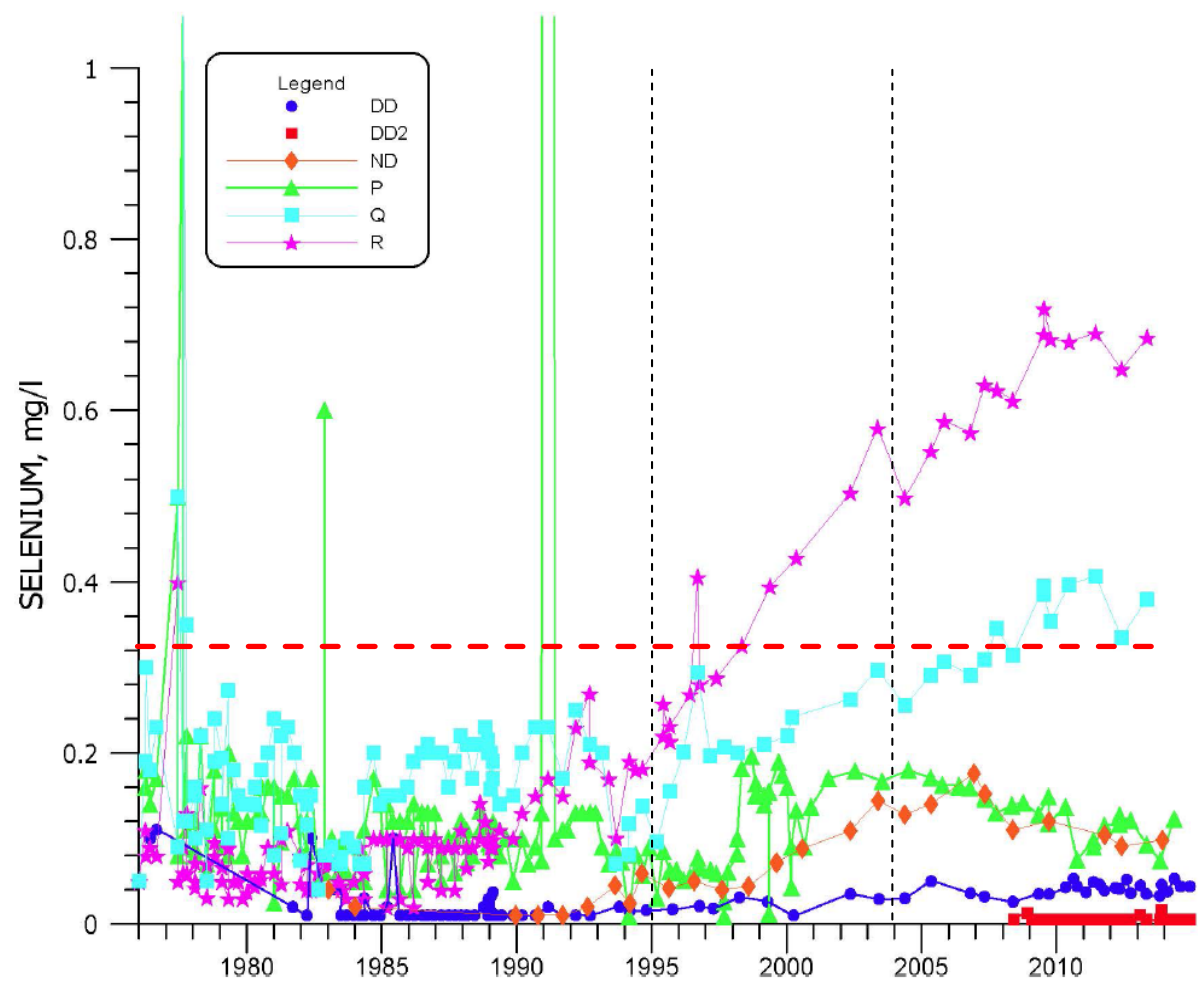



Aquifer	Current GWPS <sup>1</sup> (mg/L)	Proposed GWPS (mg/L)	Wells Included (time periods)	Wells excluded (see text for explanation)	Sample size	% Below Detection for Selected Data
Alluvial	0.32	0.063	P (1995-97), DD (1981-2014), ND (1983-98), 916 (1994-2005)	Q, R, P1, P2	131	9.2
Chinle Mixing Zone: Combined	0.14	0.079	See below	See below	215	30.2
Chinle Mixing: Upper	NA	0.011	CW9 (1987-2018), CW10 (1987-94), CW50 (2003-2017), CW52 (2003-2012)	CW9 (1 outlier)	68	68



Parameter	NRC (GWPS)	NMWQCC (drinking water)	New Site Standards – Alluvial Aquifer	US EPA Safe Drinking Water Act
Uranium	0.04	0.030	0.160	0.03
Selenium	0.10	0.050	0.320	0.05
Molybdenum	0.03	1.0 (irrigation)	0.1	--
Vanadium	0.02	0.100 (irrigation)	0.02	--
Sulfate	--	600	1,500	250 (SMCL)
Chloride	--	--	250	250 (SMCL)
TDS	--	1,000	2,734	500 (SMCL)
Nitrate (as N)	--	10	12	10
Th-230 (pCi/L)	--	--	0.3	--
Ra-226+228 (pCi/L)	--	30	5	5







# SELENIUM

